

**DRAFT: JQReber:cw**

**22 August 1958**

**SUGGESTIONS FOR PRESENTATION OF PROPOSAL**

**1. We suggest that the technical proposal consider three types of systems:**

**a. Message center, desk size, operated and maintained by a skilled technician, allowing for precise antenna alignment, multiple sensing.**

**b. Field type unit complete with self-contained, power-supply, sensing element, minimum size, excluding crypto feature operated by unskilled man for one type of data transmission only; for communication of 50-100 five letter code groups.**

**c. Field type unattended with sensing capability (e.g., acoustic, seismic, ultramagnetic, infrared, ultrasonic, photographic) capable of detecting and reporting an event such as guided missile on launch pad, guided missile taking off, planes taking off, ships passing under or above water; capable of withstanding air drop.**

**2. Briefing should include some estimate of capability to have prototype of one or all of the above available at time of launch of first two satellites.**

**3. Specific questions for guidance in briefing:**

- a. Estimates with explanation of jamming immunity and immunity from DF.**
- b. Satellite antenna orientation capabilities.**
- c. Camouflage feasibility for antenna in the field or in fixed secure installation -- the side lobe problem.**
- d. Description of receiving stations:**
  - 1) Availability of time for the client at the station.**
  - 2) Security of the client's information in the station.**
  - 3) Speed of availability of information to the client's Headquarters.**